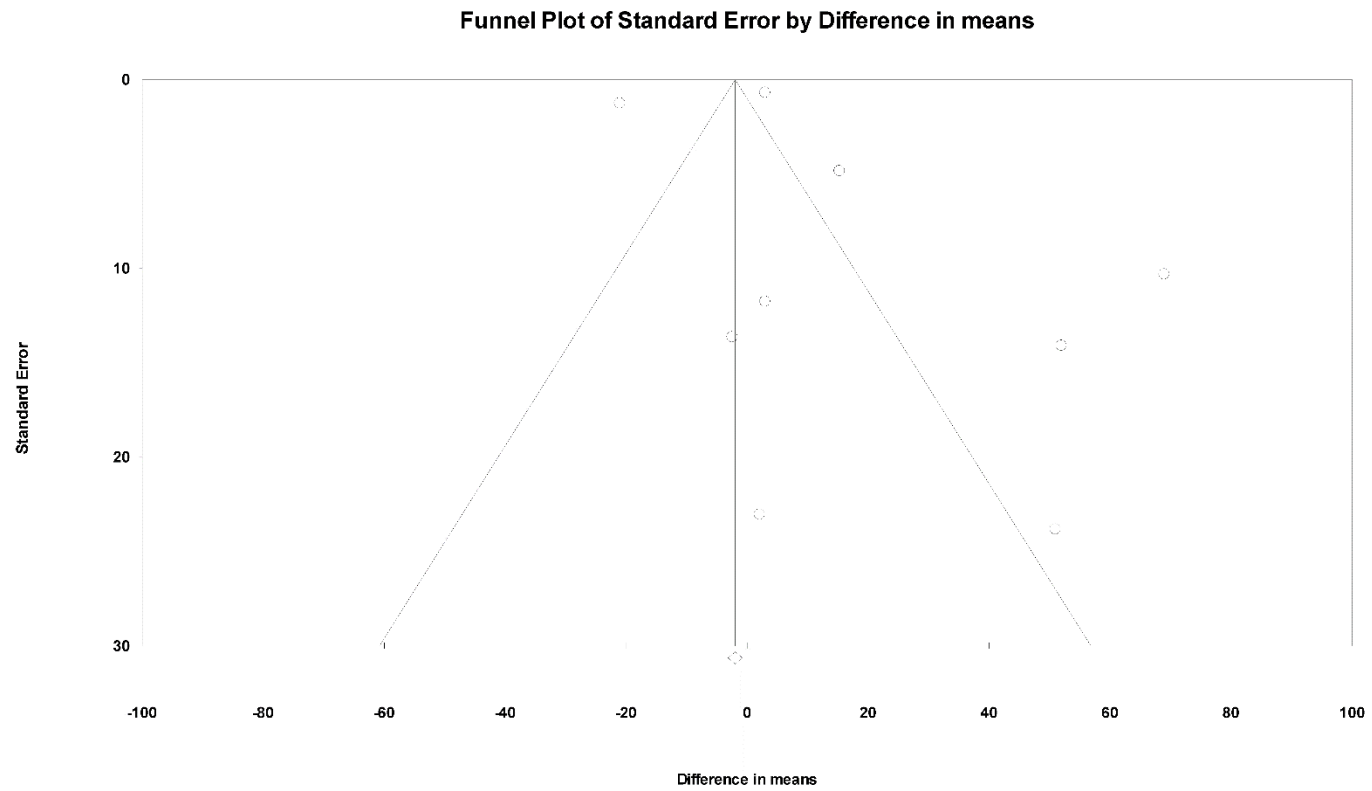
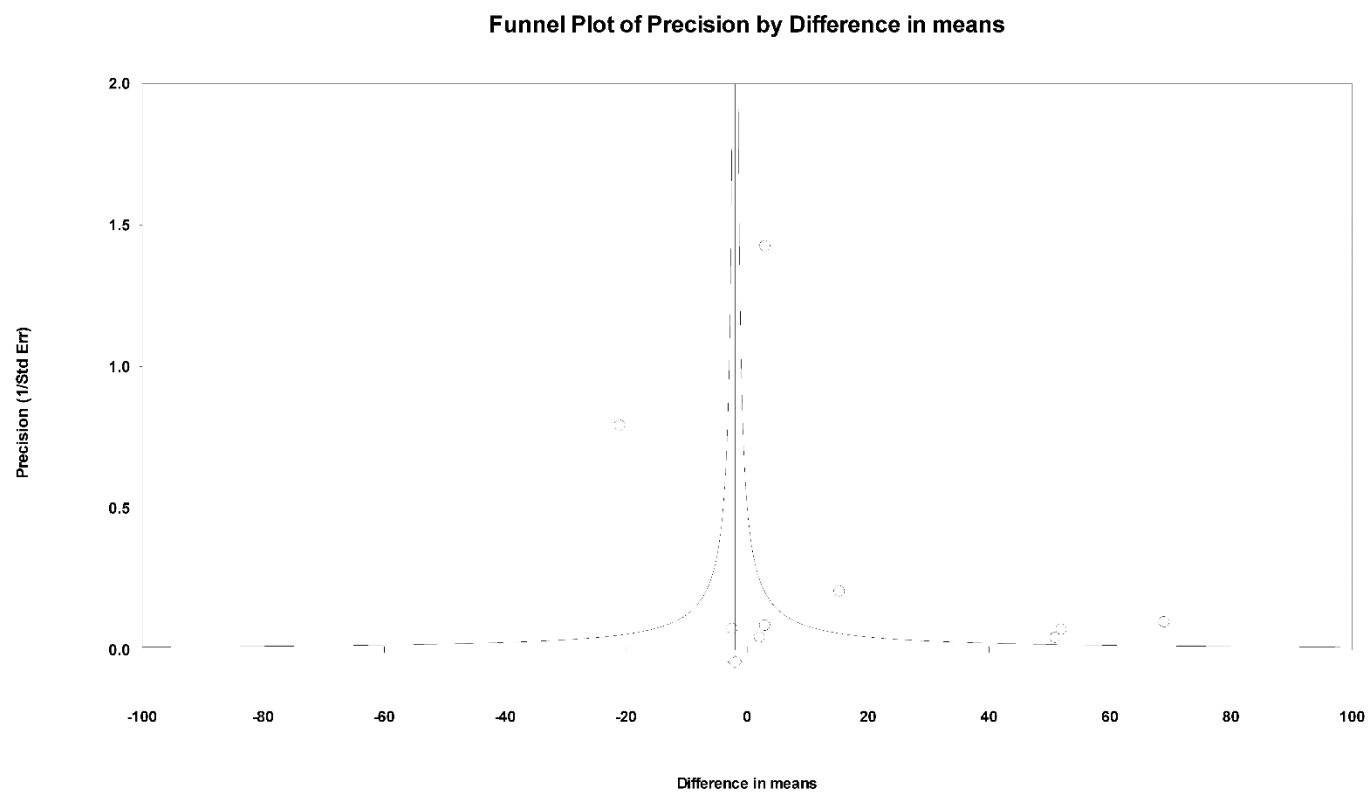


Supplementary Figure 1:

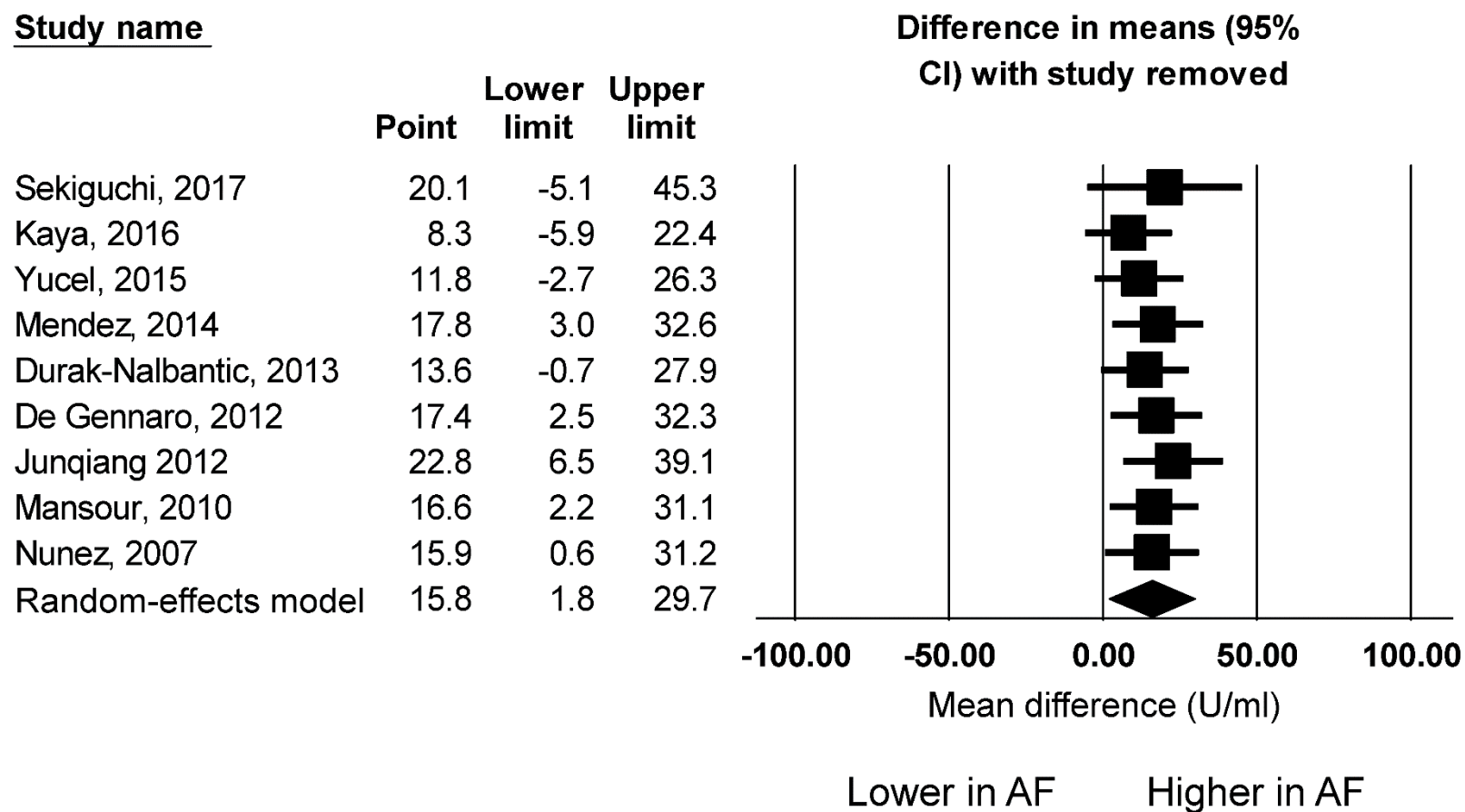


Supplementary Figure 2:

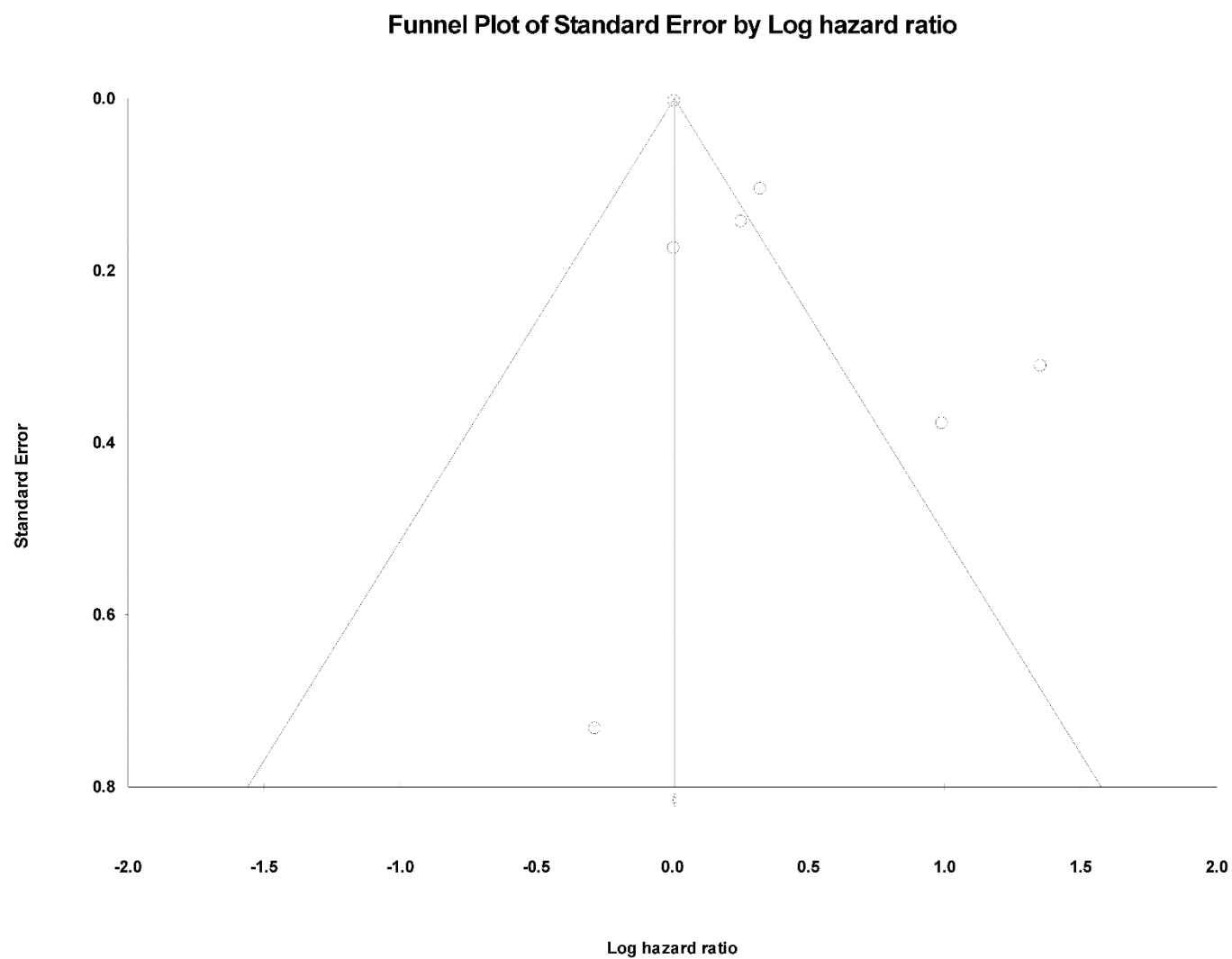


Supplementary Figure 3:

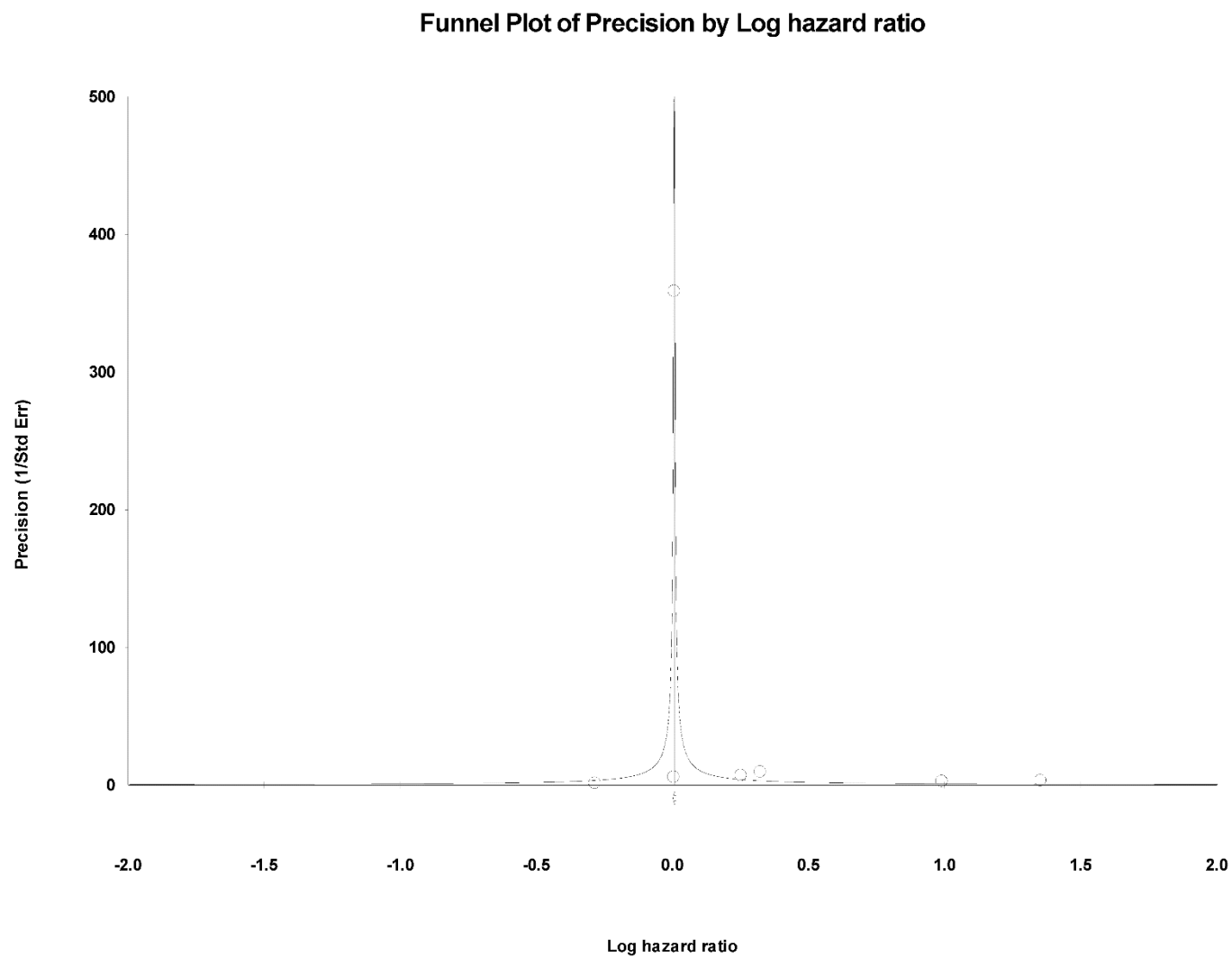
Mean difference in Ca-125 levels between patients with AF and those without AF:
sensitivity analysis



Supplementary Figure 4:

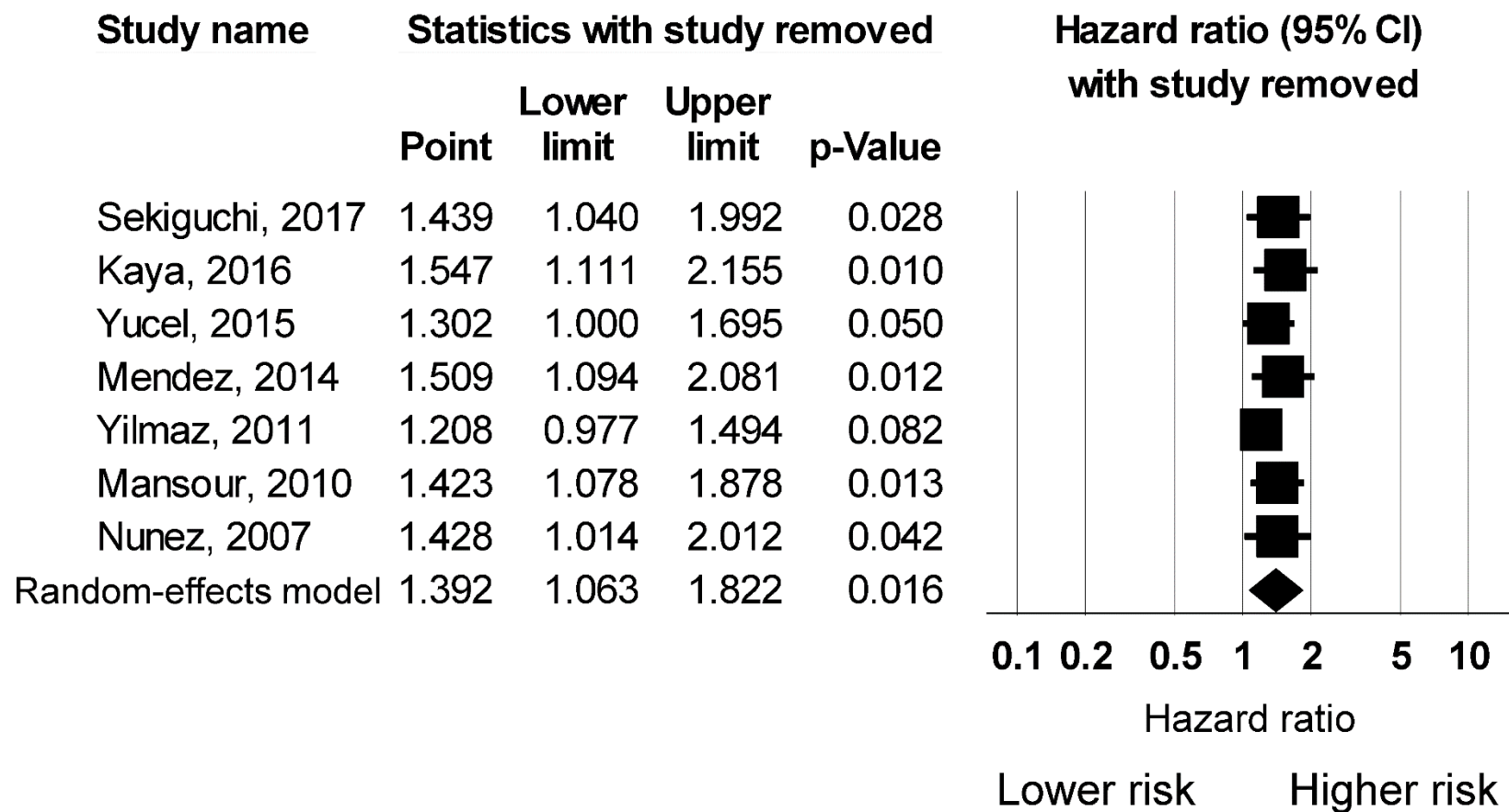


Supplementary Figure 5:



Supplementary Figure 6:

High Ca-125 levels and AF: sensitivity analysis



Supplementary Figure 7:

High Ca-125 levels (≤ 35 U/ml) and AF

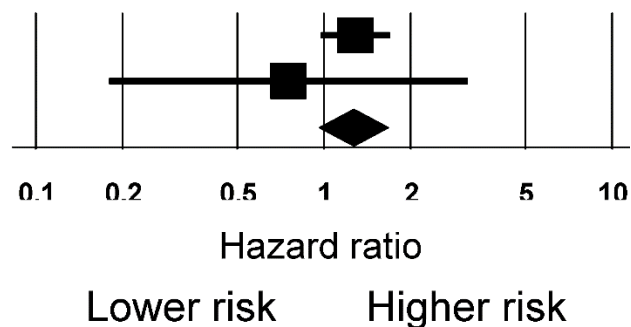
Study name

Statistics for each study

Hazard ratio and 95% CI

	Hazard ratio	Lower limit	Upper limit	p-Value
Sekiguchi, 2017	1.287	0.972	1.703	0.078
Mansour, 2010	0.753	0.179	3.160	0.698
Fixed-effects model	1.262	0.958	1.661	0.097

$I^2 = 0\%$



High Ca-125 levels (> 35 U/ml) and AF

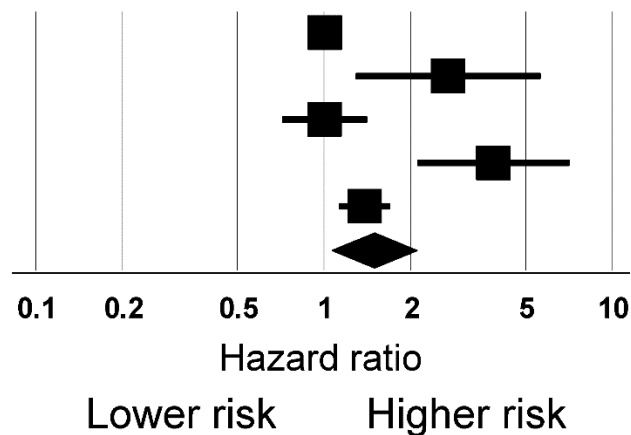
Study name

Statistics for each study

Hazard ratio and 95% CI

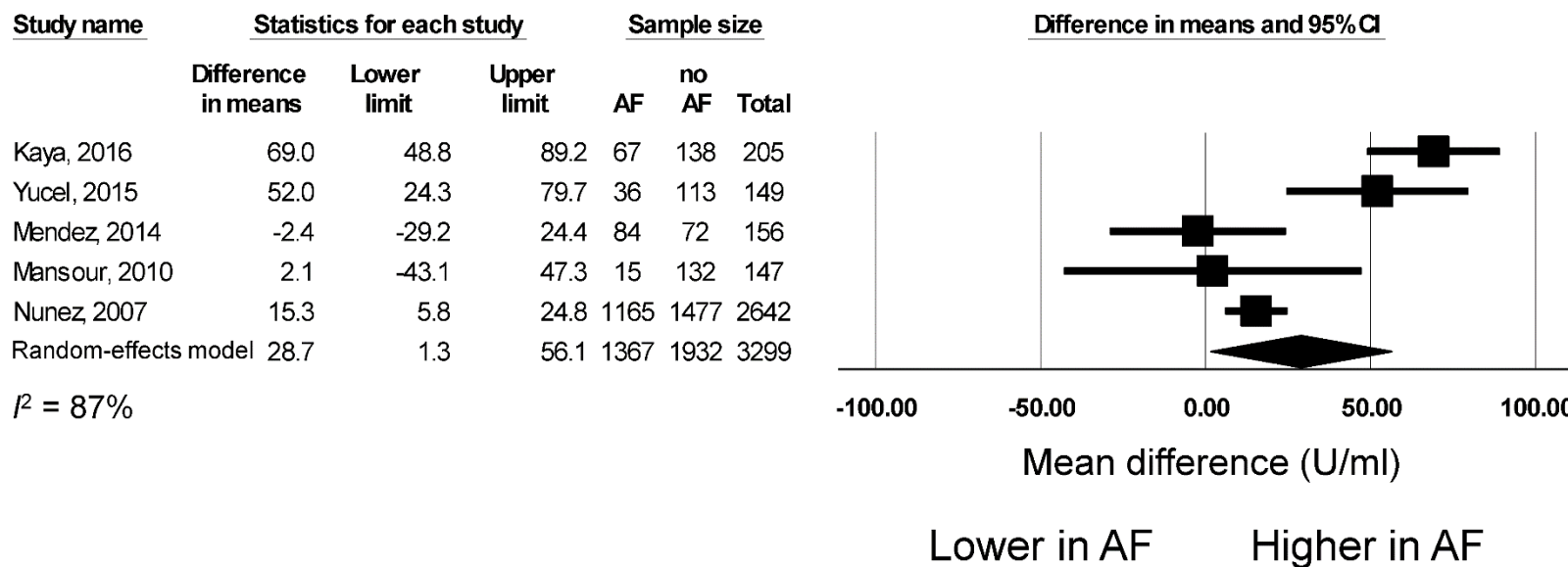
	Hazard ratio	Lower limit	Upper limit	p-Value
Kaya, 2016	1.007	1.002	1.013	0.012
Yucel, 2015	2.693	1.285	5.642	0.009
Mendez, 2014	1.005	0.715	1.413	0.977
Yilmaz, 2011	3.870	2.105	7.115	0.000
Nunez, 2007	1.382	1.125	1.697	0.002
Random-effects model	1.487	1.061	2.084	0.021

$I^2 = 88\%$



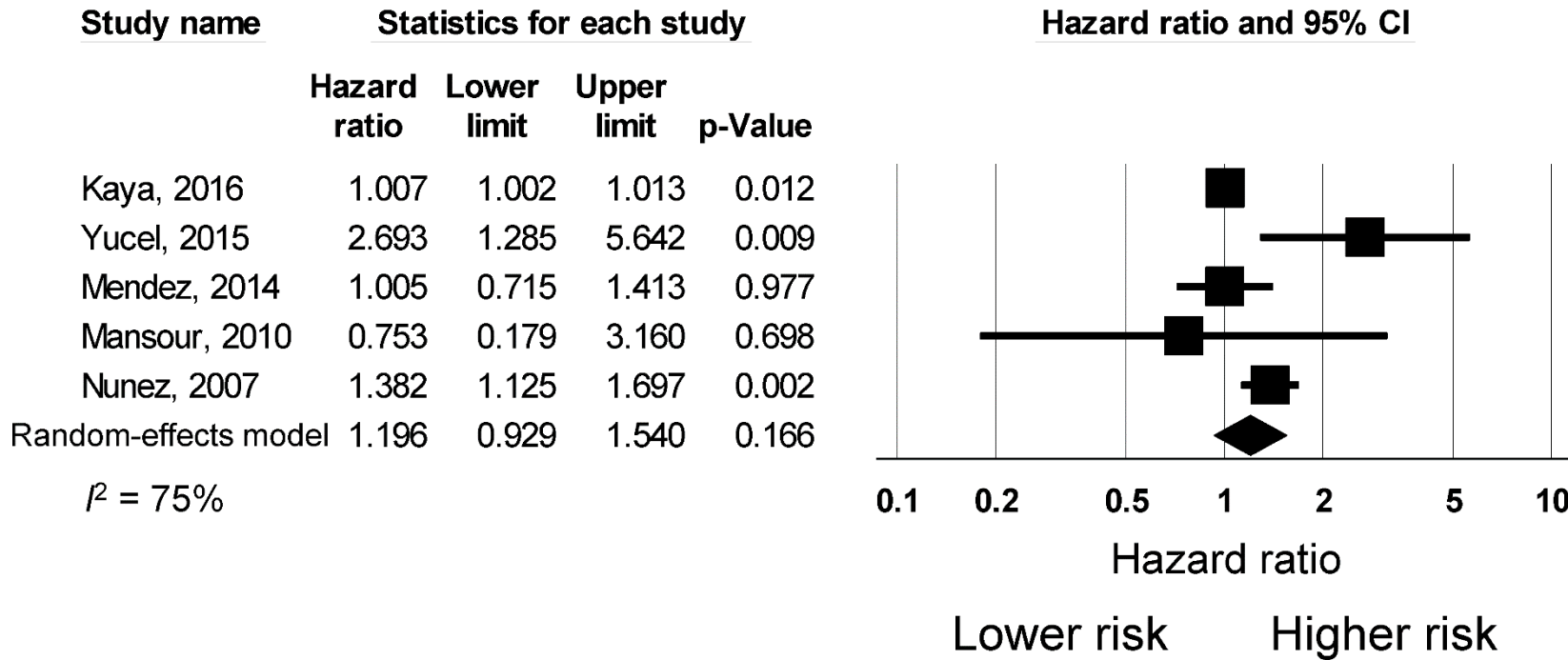
Supplementary Figure 8:

Mean difference in Ca-125 levels between heart failure patients with AF and those without AF



Supplementary Figure 9:

High Ca-125 levels and AF in heart failure patients



Supplementary Figure 10:

Mean difference in Ca-125 levels between patients with general medical conditions with AF and those without AF

